STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____ *10/583,785*

Source: _____ *IFWP*

Date Processed by STIC: _____ *07/06/2006*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
       http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm
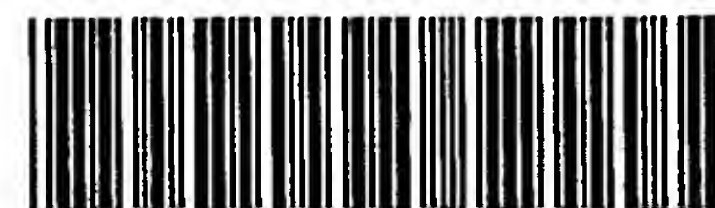
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWP

RAW SEQUENCE LISTING   DATE: 07/06/2006
PATENT APPLICATION: US/10/583,785   TIME: 14:04:40

Input Set : **A:\SEQ ID LIST.txt**
Output Set: **N:\CRF4\07062006\J583785.raw**

```
     3 <110> APPLICANT: Prof. Dr. Werner Seeger
W-->  4 <120> TITLE OF INVENTION: Novel chimeric plasminogen activators and their
pharmaceutical use
C-->  5 <140> CURRENT APPLICATION NUMBER: US/10/583,785
C-->  5 <141> CURRENT FILING DATE: 2006-06-19
W-->  0 <130> FILE REFERENCE:
W-->  5 <160> NUMBER OF SEQ ID: 26
```

Does Not Comply
Corrected Diskette Needed
(pg-1, γ)

ERRORED SEQUENCES

```
  1970 <210> SEQ ID NO: 24          -->  . OK
  1971 <211> LENGTH: (562)
  1972 <212> TYPE: (DNA)            --> should be PRT
  1973 <213> ORGANISM: Homo sapiens
  1975 <220> FEATURE:
  1976 <221> NAME/KEY: PEPTIDE
  1977 <222> LOCATION: (1) ... (562)
  1978 <223> OTHER INFORMATION: Tissue-plasminogen activator
  1980 <400> SEQUENCE: 24
  1982 Met Asp Ala Met Lys Arg Gly Leu Cys Cys Val Leu Leu Leu Cys Gly
  1983  1               5                  10              15
  1985 Ala Val Phe Val Ser Pro Ser Gln Glu Ile His Ala Arg Phe Arg Arg
  1986              20                  25              30
  1988 Gly Ala Arg Ser Tyr Gln Val Ile Cys Arg Asp Glu Lys Thr Gln Met
  1989          35                  40                  45
  1991 Ile Tyr Gln Gln His Gln Ser Trp Leu Arg Pro Val Leu Arg Ser Asn
  1992       50                  55                  60
  1994 Arg Val Glu Tyr Cys Trp Cys Asn Ser Gly Arg Ala Gln Cys His Ser
  1995  65              70                  75                  80
  1997 Val Pro Val Lys Ser Cys Ser Glu Pro Arg Cys Phe Asn Gly Gly Thr
  1998              85                  90                  95
  2000 Cys Gln Gln Ala Leu Tyr Phe Ser Asp Phe Val Cys Gln Cys Pro Glu
  2001              100                 105                 110
  2003 Gly Phe Ala Gly Lys Cys Cys Glu Ile Asp Thr Arg Ala Thr Cys Tyr
  2004          115                 120                 125
  2006 Glu Asp Gln Gly Ile Ser Tyr Arg Gly Thr Trp Ser Thr Ala Glu Ser
  2007          130                 135                 140
  2009 Gly Ala Glu Cys Thr Asn Trp Asn Ser Ser Ala Leu Ala Gln Lys Pro
W--> 2010 145                 150              (160) 155      165 160
  2012 Tyr Ser Gly Arg Arg Pro Asp Ala Ile Arg Leu Gly Leu Gly Asn His
W--> 2013                170 165              175 170        180 175
  2015 Asn Tyr Cys Arg Asn Pro Asp Arg Asp Ser Lys Pro Trp Cys Tyr Val
W--> 2016          185                 190                 195
             180                 185                 190
```

160 155 / 165 160 / 170 165 / 175 170 / 180 175 ⎫
185 / 190 / 195 ⎬ Invalid amino acid Number
*180 / 185 / 190 ⎭

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/583,785**

DATE: 07/06/2006
TIME: 14:04:40

Input Set : **A:\SEQ ID LIST.txt**
Output Set: **N:\CRF4\07062006\J583785.raw**

```
       2018 Phe Lys Ala Gly Lys Tyr Ser Ser Glu Phe Cys Ser Thr Pro Ala Cys
W--> 2019     200  195              205 200              205 210 205
       2021 Ser Glu Gly Asn Ser Asp Cys Tyr Phe Gly Asn Gly Ser Ala Tyr Arg
       2022     210  18 210          215 220 215      220 225 220
       2024 Gly Thr His Ser Leu Thr Glu Ser Gly Ala Ser Cys Leu Pro Trp Asn
       2025 325 230            230 30          235                  240
       2027 Ser Met Ile Leu Ile Gly Lys Val Tyr Thr Ala Gln Asn Pro Ser Ala
       2028             245          250              255
       2030 Gln Ala Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Gly
       2031         260          265              270
       2033 Asp Ala Lys Pro Trp Cys His Val Leu Lys Asn Arg Arg Leu Thr Trp
       2034         275          280          285
       2036 Glu Tyr Cys Asp Val Pro Ser Cys Ser Thr Cys Gly Leu Arg Gln Tyr
       2037     290          295          300
       2039 Ser Gln Pro Gln Phe Arg Ile Lys Gly Gly Leu Phe Ala Asp Ile Ala
       2040 305          310          315              320
       2042 Ser His Pro Trp Gln Ala Ala Ile Phe Ala Lys His Arg Arg Ser Pro
       2043         325          330              335
       2045 Gly Glu Arg Phe Leu Cys Gly Gly Ile Leu Ile Ser Ser Cys Trp Ile
       2046         340          345              350
       2048 Leu Ser Ala Ala His Cys Phe Gln Glu Arg Phe Pro Pro His His Leu
       2049         355          360          365
       2051 Thr Val Ile Leu Gly Arg Thr Tyr Arg Val Val Pro Gly Glu Glu Glu
       2052     370          375          380
       2054 Gln Lys Phe Glu Val Glu Lys Tyr Ile Val His Lys Glu Phe Asp Asp
       2055 385          390          395              400
       2057 Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu Gln Leu Lys Ser Asp Ser
       2058         405          410              415
       2060 Ser Arg Cys Ala Gln Glu Ser Ser Val Val Arg Thr Val Cys Leu Pro
       2061         420          425              430
       2063 Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr Glu Cys Glu Leu Ser Gly
       2064         435          440          445
       2066 Tyr Gly Lys His Glu Ala Leu Ser Pro Phe Tyr Ser Glu Arg Leu Lys
       2067     450          455          460
       2069 Glu Ala His Val Arg Leu Tyr Pro Ser Ser Arg Cys Thr Ser Gln His
       2070 465          470          475              480
       2072 Leu Leu Asn Arg Thr Val Thr Asp Asn Met Leu Cys Ala Gly Asp Thr
       2073         485          490              495
       2075 Arg Ser Gly Gly Pro Gln Ala Asn Leu His Asp Ala Cys Gln Gly Asp
       2076         500          505              510
       2078 Ser Gly Gly Pro Leu Val Cys Leu Asn Asp Gly Arg Met Thr Leu Val
       2079         515          520          525
       2081 Gly Ile Ile Ser Trp Gly Leu Gly Cys Gly Gln Lys Asp Val Pro Gly
       2082     530          535          540
       2084 Val Tyr Thr Lys Val Thr Asn Tyr Leu Asp Trp Ile Arg Asp Asn Met
       2085 545          550          555              560
E--> 2087 Arg Pro
```

(handwritten annotation at right:) Invalid Amino Acid Numbering

file://C:\CRF4\Outhold\VsrJ583785.htm

7/6/2006

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/06/2006
PATENT APPLICATION: **US/10/583,785**   TIME: 14:04:41

Input Set : **A:\SEQ ID LIST.txt**
Output Set: **N:\CRF4\07062006\J583785.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 124
Seq#:5; Line(s) 363
Seq#:6; Line(s) 448,453
Seq#:7; Line(s) 606,611
Seq#:9; Line(s) 829
Seq#:12; Line(s) 1049
Seq#:13; Line(s) 1172

VERIFICATION SUMMARY   DATE: 07/06/2006
PATENT APPLICATION: **US/10/583,785**   TIME: 14:04:41

Input Set : **A:\SEQ ID LIST**.txt
Output Set: **N:\CRF4\07062006\J583785.raw**

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:5 M:283 W: Missing Blank Line separator, <160> field identifier
L:925 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:11
L:929 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:11
L:933 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:11
L:937 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:11
L:2010 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:24
L:2013 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:24
L:2016 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:24
L:2019 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:24
L:2087 M:301 E: (44) No Sequence Data was Shown, SEQ ID:24
L:2087 M:252 E: No. of Seq. differs, <211> LENGTH:Input:562 Found:0 SEQ:24